

Title (en)

Safety circuit for a rotary electric hand tool

Title (de)

Sicherheitsschaltung für drehendes Elektroh Handwerkzeuggerät

Title (fr)

Circuit de sécurité pour outil électrique rotatif portable

Publication

EP 1201373 B1 20080924 (DE)

Application

EP 01810977 A 20011008

Priority

DE 10051775 A 20001019

Abstract (en)

[origin: EP1201373A2] The circuit generates a control signal (theta) when the intended deflection angle of the housing of an at least partly rotating electric hand tool is exceeded. A turn rate sensor (7) that directly measures the revolution rate is connected to a comparison element (8). The turn rate sensor is an active sensor that operates on the basis of the Coriolis force.

IPC 8 full level

B25F 5/00 (2006.01); **G01C 19/00** (2013.01); **G01C 19/56** (2012.01); **G01P 9/04** (2006.01); **H01H 9/54** (2006.01); **H01H 35/06** (2006.01)

CPC (source: EP US)

B25F 5/00 (2013.01 - EP US)

Cited by

EP3199303A1; EP1802845A4; CN103192355A; EP3023203A1; CN105739329A; EP3023202A1; CN107000186A; US10675747B2; US10160049B2; WO2016079096A1; WO2016079093A1; EP3050676A1; WO2016122788A1; US9962807B2; US10688614B2; US10589413B2; US11192232B2; WO2011131394A1; WO2017129538A1

Designated contracting state (EPC)

CH DE GB LI SE

DOCDB simple family (publication)

EP 1201373 A2 20020502; EP 1201373 A3 20060503; EP 1201373 B1 20080924; CN 1207132 C 20050622; CN 1349873 A 20020522; DE 10051775 A1 20020516; DE 50114345 D1 20081106; JP 2002216599 A 20020802; US 2004011632 A1 20040122

DOCDB simple family (application)

EP 01810977 A 20011008; CN 01135420 A 20011012; DE 10051775 A 20001019; DE 50114345 T 20011008; JP 2001320250 A 20011018; US 98152001 A 20011017